

- (currently amended): A method for detecting pregnancy in a bovine animal comprising:
  - (a) obtaining a sample from said animal; and
  - (b) contacting said sample with an antibody that binds immunologically to at least one pregnancy associated antigen (PAG), wherein said PAG is present in early pregnancy and absentundetectable at about two months post-partum, and wherein said PAG is selected from the group consisting of PAG4 (SEQ ID NO:27), PAG6 (SEQ ID NO:29), PAG7 (SEQ ID NO:30), PAG 16 (SEQ ID NO:46); PAG 17 (SEQ ID NO:48); PAG 20 (SEQ ID NO:54) and PAG 21 (SEQ ID NO:56); and
  - (c) detecting said PAG bound to said antibody; whereby the presence of said PAG in said sample indicates that said animal is pregnant. (canceled):

(original): The method of claim 1, wherein said sample is saliva, serum, blood, milk or urine.

(original): The method of claim 3, wherein said sample is saliva.

(original): The method of claim 2, wherein said sample is serum.

(original): The method of claim, wherein said sample is blood.

(original): The method of claim 3, wherein said sample is milk.

(original): The method of claim 2, wherein said sample is urine.

(canceled)

(currently amended): The method of claim 1, wherein said detection comprises detection of bovine PAG (BePAG) 2 (SEQ ID NO:25), BePAG4 (SEQ ID NO:27), BePAG5 (SEQ ID NO:28), BoPAG6 (SEQ ID NO:29), BoPAG7 (SEQ ID NO:30), BoPAG9 (SEQ ID NO:32), BePAG 7v (SEQ ID NO:40); BePAG9v (SEQ ID NO:42); BePAG-15 (SEQ ID NO:44); BoPAG 16 (SEQ ID NO:46); BoPAG 17 (SEQ ID NO:48); BoPAG 18 (SEQ ID NO:50); BoPAG 19 (SEQ ID NO:52); BoPAG 20 (SEQ ID NO:54) or BoPAG 21 (SEQ ID NO:56) with polyclonal antisera.

(currently amended): The method of claim 1, wherein said detection comprises detection of bovino PAG (BoPAG) 2 (SEQ ID NO:25), BoPAG4 (SEQ ID NO:27), BoPAG5 (SEQ ID NO:28), BoPAG6 (SEQ ID NO:29), BoPAG7 (SEQ ID NO:30), BoPAG9 (SEQ ID NO:32), BoPAG 7v (SEQ-ID-NO:40); BoPAG9v (SEQ-ID-NO:42); BoPAG 15 (SEQ-ID-NO:44); BoPAG 16 (SEQ ID NO:46); BoPAG 17 (SEQ ID NO:48); BoPAG 18 (SEQ ID

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NO:50); BoPAG 19 (SEQ ID NO:52); BoPAG 20 (SEQ ID NO:54) or BoPAG 21 (SEQ ID NO:56) with a monoclonal antibody preparation. (previously presented): The method of claim 1, wherein said detection comprises ELISA. (previously presented): The method of claim 1, wherein said detection comprises RIA. (previously presented): The method of claim 1, wherein said detection comprises Western blot. (canceled) The method of claim 1, further comprising detecting a second PAG in said (original): sample. The method of claim 30, further comprising detecting a third PAG in said (original): sample. The method of claim 12, wherein said ELISA is a sandwich ELISA (original): comprising binding of a PAG to a first antibody preparation fixed to a substrate and a second antibody preparation labeled with an enzyme. (original): The method of claim 32, wherein said enzyme is alkaline phosphatase or horseradish peroxidase. The method of claim 32, wherein said first antibody preparation is (original): monoclonal. 35-183 (canceled) Please add new claims 184-190 as follows: The method of claim 1, wherein said PAG is PAG4 (SEQ ID NO:27). 19, 185. The method of claim 1, wherein said PAG is PAG6 (SEQ ID NO:29). AD 186. The method of claim 1, wherein said PAG is PAG7 (SEQ ID NO:30). 24.187. The method of claim 1, wherein said PAG is PAG 16 (SEO ID NO:46).

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The method of claim 1, wherein said PAG is PAG 17 (SEQ ID NO:48).

The method of claim 1, wherein said PAG is PAG 20 (SEQ ID NO:54). The method of claim 1, wherein said PAG is PAG 21 (SEQ ID NO:56).